

# ARV-3-N

## AIR RELEASE VALVE



for Sewage

## STAINLESS STEEL COMBINED AIR RELEASE VALVE FOR SEWAGE MODEL ARV-3-N

### Description

The ARV-3-N incorporates a kinetic and an automatic air release valve in one single valve body. Its function in the sewage system is to allow air and gases to be expelled from the pipeline during filling, and air to be admitted into the pipeline during emptying. The valve is designed to provide complete separation of the sewage from the sealing mechanism.

### Operation

When the pipeline is being filled, trapped air and gases are released through the large orifice of the kinetic valve. During emptying of the pipeline the valve allows air to enter the pipeline through the large orifice. During normal operation the large orifice remains closed while the small orifice allows small amounts of entrapped air which has accumulated, to be released through the valve.

The valve mechanism is designed to absorb small changes in pressure which prevents the small orifice from continually opening, thus maintaining a constant air gap between the sealing mechanism and the sewage.

### Sizes

Available in 2" BSP and Flanged 2" to 8" (any connection available).

### Main Features

- Working pressure of 0.2 - 16 bar
- All wetted components manufactured from 316 stainless steel
- Design of valve maintains air gap between sewage and sealing mechanism
- The valve body shape is designed to contain the maximum volume of sewage while minimising the valve height
- Lower shape of valve body is designed to provide ease of drainage of sewage back into the pipeline

ANOTHER QUALITY PRODUCT FROM



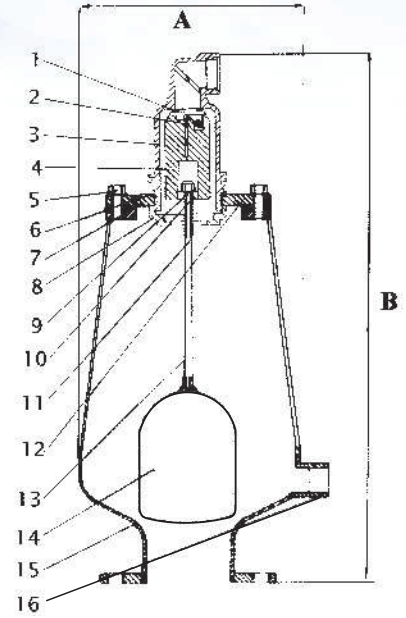
**Australian Valve  
& Filter Industries** Pty Ltd

248 Wolseley Place, Thomastown, Vic 3074  
Tel (03) 9460 5444 Fax (03) 9460 5510  
Email [avfi@avfi.com.au](mailto:avfi@avfi.com.au) Web [www.avfi.com.au](http://www.avfi.com.au)

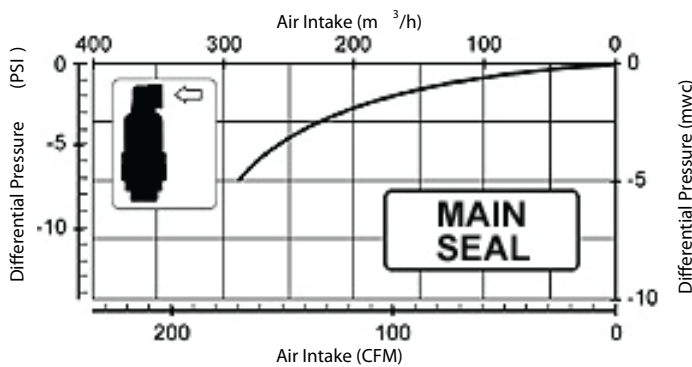
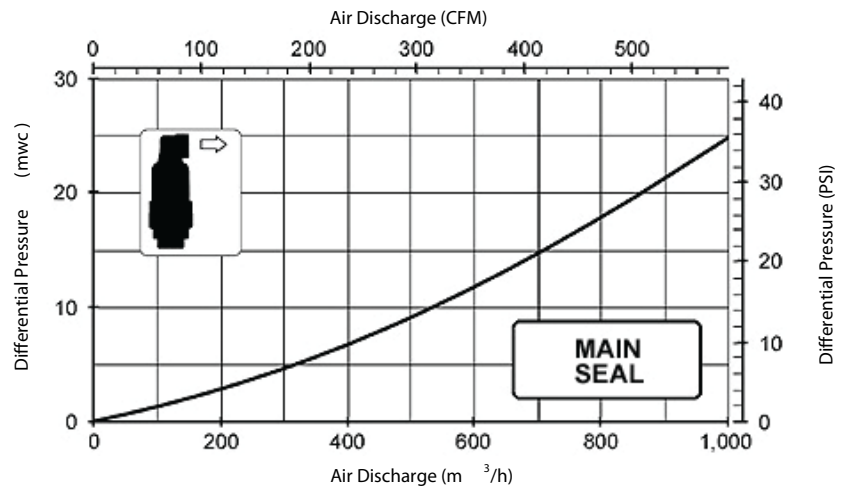
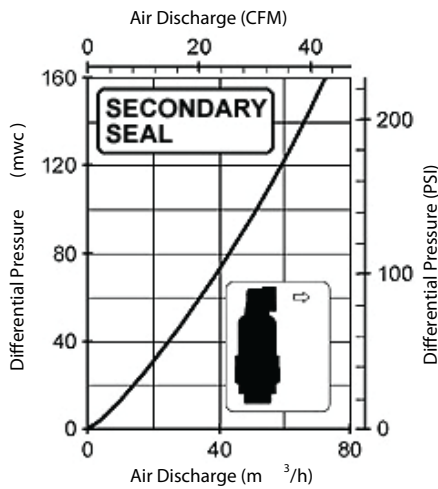
# STAINLESS STEEL COMBINED AIR RELEASE VALVE FOR SEWAGE MODEL ARV-3-N

## PARTS SELECTION

NO.	PART	MATERIAL
1	MAIN SEAL	EPDM
2	SECONDARY SEAL	EPDM
3	BODY	POLYAMIDE & FIBREGLASS
4	FLOAT	EXPANDED POLYPROPYLENE
5	STUD & NUT	STAINLESS STEEL
6	O-RING	EPDM
7	O-RING	EPDM
8	BASE	POLYAMIDE & FIBREGLASS
9	DOME HEAD NUT	STAINLESS STEEL
10	STOPPER	NYLON
11	SPRING	316 STAINLESS STEEL
12	COVER FLANGE	316 STAINLESS STEEL
13	STEM	316 STAINLESS STEEL
14	FLOAT	316 STAINLESS STEEL
15	MAIN BODY	316 STAINLESS STEEL
16	FLUSH PORT	316 STAINLESS STEEL



DIMENSIONS  
A - 270mm  
B - 670mm



### Measuring units

M<sup>3</sup>/h = cubic meters per hour  
Mwc = meters of water column  
CFM = Cubic Feet per Minute  
PSI = Pounds per Square Inch

1 CFM = 1.699 m<sup>3</sup>/h  
1 PSI = 0.70307 mwc

ANOTHER QUALITY PRODUCT FROM



**Australian Valve  
& Filter Industries** Pty Ltd

248 Wolseley Place, Thomastown, Vic 3074  
Tel (03) 9460 5444 Fax (03) 9460 5510  
Email avfi@avfi.com.au Web www.avfi.com.au

DISTRIBUTED BY: